



368 Hydrastat™

Product Data:

The 368 Hydrastat™ (diaphragm assembly) consists of the bulb, capillary and a diaphragm designed for specific movement in response to temperature change. The 368 Hydrastat™ is the temperature sensing device used in all of the 350 series remote sensing thermostats. It is available separately for use in OEM equipment.

The 368 Hydrastat™ is available for sensing temperatures from 0-700°F. The cup size of the diaphragm will determine the maximum amount of movement over the specified temperature range.

When specifying a 368 Hydrastat™ there are several key pieces of information that must be specified. These requirements are spelled out in detail on the quote request form. This form must be filled out in its entirety.

The relationship between the required bulb dimensions and the desired temperature range must be considered in specifying the appropriate Hydrastat™. Only the length or diameter of the bulb can be a fixed specification. One of these dimensions must remain open because it will vary according to the movement necessary at the operating temperature.

368 Features:

Calibration Range:	0 °F-700 °F
Capillary Dia.	0.059", 0.078"
Cup Sizes:	5/8", 3/4", 1"
Maximum Travel:	0.028"-0.045" (see cup table)
Capillary Mounting:	Bottom or Side of Stud
Bulb & Capillary Material Options:	Copper, Nickel Plated Copper, One Piece Stainless Steel or Two Piece Stainless Steel.

368 Cup Table

Cup Diameter	Maximum Travel	Max. External Load
5/8"	0.028"	6#
3/4"	0.045"	20#
1"	0.041"	15#

STEMCO 368 Quote Request

Customer: _____ QR #: _____
 Attn: _____ Date: _____
 Address _____ Cust#: _____
 City _____ State: _____ Zip: _____
 Tel: _____ Fax: _____
 Email: _____
 Salesman: _____ Agency #: _____

Send Quote to: Customer: _____ Rep Agency _____ (Check one or both)

Application: _____
 Comments: _____

Est. Yearly Qty: _____ Target Cost: _____

Capillary: Diameter "A" : 0.059": _____, 0.078" _____ Length "B": _____ "
 Bottom _____, or Side _____ exiting out of diaphragm stud.

Bulb: Maximum Length "C": _____", Max Outside Diameter "D": _____"

Cup: Diameter "E": 5/8" _____, 3/4" _____, 1" _____

Movement: _____ inches per °F, or _____ inches per 100 °F.

Start Movement Temp _____ °F, Stop Movement Temp _____ °F

Material Copper _____, Nickel Plated Copper _____, 1 Pc Stainless Steel _____, or 2 Pc. SS _____

Additional Info: Normal Operating Range _____ °F to _____ °F

Max Exposed Temp. _____ °F, Minimum Exposed Temp. _____ °F

What is Bulb immersed into: _____

Please include any additional information and/or drawings that may be relevant.

Fax Quote Request to Customer Service: 419-818-0897

